

# CRF Errors Corrected by the STIC Systems Branch

Serial Number: 091367714B

CRF Processing Date: 01/10/03 / 653  
 Edited by: DC  
 Verified by: DC (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED** #23
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**RECEIVED**

JAN 15 2003

TECH CENTER 1600/2900

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

## RAW SEQUENCE LISTING

DATE: 01/10/2003

PATENT APPLICATION: US/09/367,714B

TIME: 09:25:48

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\01102003\I367714B.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
6 (i) APPLICANT: SHAI, Yechiel  
7 OREN, Ziv  
9 (ii) TITLE OF INVENTION: ANTIPATHOGENIC SYNTHETIC PEPTIDES AND COMPOSITIONS  
10 COMPRISING THEM  
12 (iii) NUMBER OF SEQUENCES: 99  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.  
16 (B) STREET: 624 Ninth Street, N.W., Suite 300  
17 (C) CITY: Washington  
18 (D) STATE: D.C.  
19 (E) COUNTRY: USA  
20 (F) ZIP: 20001  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
28 (vi) CURRENT APPLICATION DATA:  
C--> 29 (A) APPLICATION NUMBER: US/09/367,714B  
C--> 30 (B) FILING DATE: 14-Jan-2000  
C--> 36 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: PCT/IL97/00066  
34 (B) FILING DATE: 20-FEB-1997  
37 (A) APPLICATION NUMBER: PCT/IL98/00081  
38 (B) FILING DATE: 19-FEB-1998  
40 (2) INFORMATION FOR SEQ ID NO: 1:  
42 (i) SEQUENCE CHARACTERISTICS:  
43 (A) LENGTH: 33 amino acids  
44 (B) TYPE: amino acid  
45 (C) STRANDEDNESS: single  
46 (D) TOPOLOGY: linear  
48 (ii) MOLECULE TYPE: peptide  
51 (vii) IMMEDIATE SOURCE:  
52 (B) CLONE: peptide 1  
54 (ix) FEATURE:  
55 (A) NAME/KEY: Modified-site  
56 (B) LOCATION: group(7, 18, 19)  
57 (D) OTHER INFORMATION: /product= "D-amino acid residues"  
59 (ix) FEATURE:  
60 (A) NAME/KEY: Modified-site  
61 (B) LOCATION: 33

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TECH CENTER 1600/2900

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PATENT APPLICATION: US/09/367,714B

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Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\01102003\I367714B.raw

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62      (D) OTHER INFORMATION:/product= "OTHER"
63 /note= "two aminoethylamino groups are attached at the C-
64 terminus"
67      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
69      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
70      1          5          10          15
72      Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
73      20          25          30
75      Glu
78 (2) INFORMATION FOR SEQ ID NO: 2:
80      (i) SEQUENCE CHARACTERISTICS:
81          (A) LENGTH: 22 amino acids
82          (B) TYPE: amino acid
83          (C) STRANDEDNESS: single
84          (D) TOPOLOGY: linear
86      (ii) MOLECULE TYPE: peptide
89      (vii) IMMEDIATE SOURCE:
90          (B) CLONE: peptide 2
92      (ix) FEATURE:
93          (A) NAME/KEY: Modified-site
94          (B) LOCATION:group(7, 18, 19)
95          (D) OTHER INFORMATION:/product= "D-amino acid residues"
97      (ix) FEATURE:
98          (A) NAME/KEY: Modified-site
99          (B) LOCATION:22
100         (D) OTHER INFORMATION:/product= "OTHER"
101 /note= "an aminoethylamino group is attached at the C-terminus"
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
106      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
107      1          5          10          15
109      Thr Leu Leu Ser Ala Val
110      20
112 (2) INFORMATION FOR SEQ ID NO: 3:
114      (i) SEQUENCE CHARACTERISTICS:
115          (A) LENGTH: 22 amino acids
116          (B) TYPE: amino acid
117          (C) STRANDEDNESS: single
118          (D) TOPOLOGY: linear
120      (ii) MOLECULE TYPE: peptide
123      (vii) IMMEDIATE SOURCE:
124          (B) CLONE: peptide 3
126      (ix) FEATURE:
127          (A) NAME/KEY: Modified-site
128          (B) LOCATION:group(7, 18, 19)
129          (D) OTHER INFORMATION:/product= "D-amino acid residues"
132      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
134      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
135      1          5          10          15
137      Thr Leu Leu Ser Ala Val

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TIME: 09:25:48

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\01102003\I367714B.raw

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138          20
140 (2) INFORMATION FOR SEQ ID NO: 4:
142   (i) SEQUENCE CHARACTERISTICS:
143       (A) LENGTH: 23 amino acids
144       (B) TYPE: amino acid
145       (C) STRANDEDNESS: single
146       (D) TOPOLOGY: linear
148   (ii) MOLECULE TYPE: peptide
151  (vii) IMMEDIATE SOURCE:
152       (B) CLONE: peptide 4
154   (ix) FEATURE:
155       (A) NAME/KEY: Modified-site
156       (B) LOCATION:group(8, 19, 20)
157       (D) OTHER INFORMATION:/product= "D-amino acid residues"
159   (ix) FEATURE:
160       (A) NAME/KEY: Modified-site
161       (B) LOCATION:23
162       (D) OTHER INFORMATION:/product= "OTHER"
163 /note= "an aminoethylamino group is attached at the C-terminus"
166   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
168     Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe
169     1          5          10          15
171     Lys Thr Leu Leu Ser Ala Val
172          20
174 (2) INFORMATION FOR SEQ ID NO: 5:
176   (i) SEQUENCE CHARACTERISTICS:
177       (A) LENGTH: 24 amino acids
178       (B) TYPE: amino acid
179       (C) STRANDEDNESS: single
180       (D) TOPOLOGY: linear
182   (ii) MOLECULE TYPE: peptide
185  (vii) IMMEDIATE SOURCE:
186       (B) CLONE: peptide 5
188   (ix) FEATURE:
189       (A) NAME/KEY: Modified-site
190       (B) LOCATION:group(9, 20, 21)
191       (D) OTHER INFORMATION:/product= "D-amino acid residues"
193   (ix) FEATURE:
194       (A) NAME/KEY: Modified-site
195       (B) LOCATION:24
196       (D) OTHER INFORMATION:/product= "OTHER"
197 /note= "an aminoethylamino group is attached at the C-terminus"
200   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
202     Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
203     1          5          10          15
205     Phe Lys Thr Leu Leu Ser Ala Val
206          20
208 (2) INFORMATION FOR SEQ ID NO: 6:
210   (i) SEQUENCE CHARACTERISTICS:

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## RAW SEQUENCE LISTING

DATE: 01/10/2003

PATENT APPLICATION: US/09/367,714B

TIME: 09:25:48

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\01102003\I367714B.raw

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211      (A) LENGTH: 24 amino acids
212      (B) TYPE: amino acid
213      (C) STRANDEDNESS: single
214      (D) TOPOLOGY: linear
216      (ii) MOLECULE TYPE: peptide
219      (vii) IMMEDIATE SOURCE:
220          (B) CLONE: peptide 6
222      (ix) FEATURE:
223          (A) NAME/KEY: Modified-site
224          (B) LOCATION: group(9, 20, 21)
225          (D) OTHER INFORMATION: /product= "D-amino acid residues"
228      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
230      Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
231          1             5             10             15
233      Phe Lys Thr Leu Leu Ser Ala Val
234          20
236 (2) INFORMATION FOR SEQ ID NO: 7:
238      (i) SEQUENCE CHARACTERISTICS:
239          (A) LENGTH: 11 amino acids
240          (B) TYPE: amino acid
241          (C) STRANDEDNESS: single
242          (D) TOPOLOGY: linear
244      (ii) MOLECULE TYPE: peptide
247      (vii) IMMEDIATE SOURCE:
248          (B) CLONE: peptide 7
250      (ix) FEATURE:
251          (A) NAME/KEY: Modified-site
252          (B) LOCATION: 7
253          (D) OTHER INFORMATION: /product= "D-AMINO ACID RESIDUE"
255      (ix) FEATURE:
256          (A) NAME/KEY: Modified-site
257          (B) LOCATION: 11
258          (D) OTHER INFORMATION: /product= "OTHER"
259 /note= "AN AMINOETHYLAMINO GROUP IS ATTACHED. AT THE C-TERMINUS"
262      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
264      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser
265          1             5             10
267 (2) INFORMATION FOR SEQ ID NO: 8:
269      (i) SEQUENCE CHARACTERISTICS:
270          (A) LENGTH: 33 amino acids
271          (B) TYPE: amino acid
272          (C) STRANDEDNESS: single
273          (D) TOPOLOGY: linear
275      (ii) MOLECULE TYPE: peptide
W--> 277      (v) FRAGMENT TYPE: linear
280      (vii) IMMEDIATE SOURCE:
281          (B) CLONE: peptide 8
283      (ix) FEATURE:
284          (A) NAME/KEY: Modified-site

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## RAW SEQUENCE LISTING

DATE: 01/10/2003

PATENT APPLICATION: US/09/367,714B

TIME: 09:25:48

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\01102003\I367714B.raw

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285          (B) LOCATION:33
286          (D) OTHER INFORMATION:/product= "OTHER"
287 /note= "TWO AMINOETHYLAMINO GROUPS ARE ATTACHED AT THE C-
288 TERMINUS"
291      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
293      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
294      1          5          10          15
296      Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
297      20          25          30
299      Glu
302 (2) INFORMATION FOR SEQ ID NO: 9:
304      (i) SEQUENCE CHARACTERISTICS:
305          (A) LENGTH: 33 amino acids
306          (B) TYPE: amino acid
307          (C) STRANDEDNESS: single
308          (D) TOPOLOGY: linear
310      (ii) MOLECULE TYPE: peptide
313      (vii) IMMEDIATE SOURCE:
314          (B) CLONE: peptide 9
316      (ix) FEATURE:
317          (A) NAME/KEY: Modified-site
318          (B) LOCATION:13
319          (D) OTHER INFORMATION:/product= "D-AMINO ACID RESIDUE"
321      (ix) FEATURE:
322          (A) NAME/KEY: Modified-site
323          (B) LOCATION:33
324          (D) OTHER INFORMATION:/product= "OTHER"
325 /note= "TWO AMINOETHYLAMINO GROUPS ARE ATTACHED AT THE C-
326 TERMINUS"
329      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
331      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
332      1          5          10          15
334      Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
335      20          25          30
337      Glu
340 (2) INFORMATION FOR SEQ ID NO: 10:
342      (i) SEQUENCE CHARACTERISTICS:
343          (A) LENGTH: 33 amino acids
344          (B) TYPE: amino acid
345          (C) STRANDEDNESS: single
346          (D) TOPOLOGY: linear
348      (ii) MOLECULE TYPE: peptide
W--> 350      (v) FRAGMENT TYPE: linear
353      (vii) IMMEDIATE SOURCE:
354          (B) CLONE: peptide 10
356      (ix) FEATURE:
357          (A) NAME/KEY: Modified-site
358          (B) LOCATION:group(5, 19)
359          (D) OTHER INFORMATION:/product= "D-AMINO ACID RESIDUES"

```

**VERIFICATION SUMMARY**

DATE: 01/10/2003

PATENT APPLICATION: **US/09/367,714B**

TIME: 09:25:49

Input Set : **A:\PTO.DC.txt**Output Set: **N:\CRF4\01102003\I367714B.raw**

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:36 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:277 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8  
L:350 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=10  
L:390 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11



1600

**Does Not Comply**  
**Corrected Diskette Needed**

**RAW SEQUENCE LISTING**

DATE: 01/08/2003

PATENT APPLICATION: **US/09/367,714B**

TIME: 14:49:27

Input Set : **A:\EP.txt**Output Set: **N:\CRF4\01082003\I367714B.raw****SEQUENCE LISTING**

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: SHAI, Yechiel

7 OREN, Ziv

9 (ii) TITLE OF INVENTION: ANTIPATHOGENIC SYNTHETIC PEPTIDES AND COMPOSITIONS

10 COMPRISING THEM

12 (iii) NUMBER OF SEQUENCES: 99

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.

16 (B) STREET: 624 Ninth Street, N.W., Suite 300

17 (C) CITY: Washington

18 (D) STATE: D.C.

19 (E) COUNTRY: USA

20 (F) ZIP: 20001

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: **US/09/367,714B**

C--> 30 (B) FILING DATE: **14-Jan-2000**

C--> 36 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: PCT/IL97/00066

34 (B) FILING DATE: 20-FEB-1997

37 (A) APPLICATION NUMBER: PCT/IL98/00081

38 (B) FILING DATE: 19-FEB-1998

**ERRORED SEQUENCES**

2860 (2) INFORMATION FOR SEQ ID NO: 99:

2862 (i) SEQUENCE CHARACTERISTICS:

2863 (A) LENGTH: 26 amino acids

2864 (B) TYPE: amino acid

2865 (C) STRANDEDNESS: single

2866 (D) TOPOLOGY: linear

2868 (ii) MOLECULE TYPE: peptide

2871 (vii) IMMEDIATE SOURCE:

2872 (B) CLONE: Melittin

2874 (ix) FEATURE:

2875 (A) NAME/KEY: Modified-site

2876 (B) LOCATION: 26



## RAW SEQUENCE LISTING

DATE: 01/08/2003

PATENT APPLICATION: US/09/367,714B

TIME: 14:49:27

Input Set : A:\EP.txt

Output Set: N:\CRF4\01082003\I367714B.raw

2877 (D) OTHER INFORMATION:/product= "OTHER"

2878 /note= "the carboxyl group at the C-terminus is replaced by an

2879 amino group"

2882 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

2884 Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu

2885 1 5 10 15

2887 Ile Ser. Trp Ile Lys Arg Lys Arg Gln Gln

2888 20 25

E--&gt; 2893 107 - delete

**VERIFICATION SUMMARY**

DATE: 01/08/2003

PATENT APPLICATION: **US/09/367,714B**

TIME: 14:49:28

Input Set : **A:\EP.txt**Output Set: **N:\CRF4\01082003\I367714B.raw**

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:36 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:277 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8  
L:350 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=10  
L:390 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11  
L:2893 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:99